

ABSTRACT

An inductor operable under various supply voltages includes a first coil, a second coil, a bobbin and a core, wherein the coil diameter of the first coil is larger than the coil diameter of the second coil and the first and the second coils are connected in series, whereby input electric current flows through one coil selected from said first and second coils by utilizing a selecting switch, so as to generate sufficient corresponding inductance according to various input supply voltages.